

PLC-TF 1: TB 4: TG 29: Document L2

EP 0 933 883 A2 (DE 198 03 761 C2)

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Method and device for the determination of the transfer function of data transmission media

Independent Claim: (Translated from the German in EP 0 933 883 A2)

Method for the determination of the transfer function of data transmission media (SL),

- in which square pulses (rp) with a defined pulse width and predetermined repeat rate (fw) are coupled into the transmission medium to be measured,
- in which pulse answering signals (pa) from the transmission medium are coupled out and acquired in a time discrete manner with the predetermined pulse repeat rate (fw),
- in which pulse answer signal average values (amw) are formed from the momentary time discrete acquired pulse answering signals (pa) and the previous time discrete acquired pulse answering signals (pa),
- in which the transfer function of the data transmission medium (SL) is calculated using the discrete Fourier Transformation of the time discrete acquired pulse answer signal average values (amw).

Device for the determination of the transfer function.